

AMENDMENTS TO THE CLAIMS:

Claims 1-20 (cancelled)

21. (New) A polishing member for exerting a polishing action to a substrate via slidable engagement with the substrate, comprising:

a polishing surface having spiral grooves therein, said spiral grooves extending from a central portion of said polishing surface to an outer peripheral edge of said polishing surface, and said spiral grooves including

(i) at least one first spiral groove that extends in a first direction from said central portion of said polishing surface to said outer peripheral edge of said polishing surface, and

(ii) at least one second spiral groove that extends in a second direction from said central portion of said polishing surface to said outer peripheral edge of said polishing surface, with said second direction being opposite to said first direction, and

wherein a spiral angle for each of said spiral grooves is within a range of from 90° to 450° , with said spiral angle corresponding to an angle formed by a line interconnecting a center of said polishing surface and a starting point of a respective said each of said spiral grooves and a line interconnecting said center of said polishing surface and an end point of said respective said each of said spiral grooves, as measured in a direction of extension of said respective said each of said spiral grooves.

22. (New) The polishing member according to claim 21, wherein said polishing member comprises one of a polishing pad and an abrasive plate.

23. (New) The polishing member according to claim 22, wherein said at least one first spiral groove comprises plural first spiral grooves, and said at least one second spiral groove comprises plural second spiral grooves.

24. (New) The polishing member according to claim 21, wherein
said at least one first spiral groove comprises plural first spiral grooves, and
said at least one second spiral groove comprises plural second spiral grooves.

25. (New) A polishing apparatus comprising:
a polishing member having a polishing surface that has spiral grooves therein, said spiral
grooves extending from a central portion of said polishing surface to an outer peripheral edge of said
polishing surface, and said spiral grooves including

(i) at least one first spiral groove that extends in a first direction from said central
portion of said polishing surface to said outer peripheral edge of said polishing surface, and

(ii) at least one second spiral groove that extends in a second direction from said
central portion of said polishing surface to said outer peripheral edge of said polishing surface, with
said second direction being opposite to said first direction, and

wherein a spiral angle for each of said spiral grooves is within a range of from 90° to 450° ,
with said spiral angle corresponding to an angle formed by a line interconnecting a center of said
polishing surface and a starting point of a respective said each of said spiral grooves and a line
interconnecting said center of said polishing surface and an end point of said respective said each of
said spiral grooves, as measured in a direction of extension of said respective said each of said spiral
grooves; and

a substrate holder adapted to hold a substrate and press the substrate against said polishing
surface.

26. (New) The polishing apparatus according to claim 25, further comprising:
a polishing table, with said polishing member being attached to said polishing table.

27. (New) The polishing apparatus according to claim 26, wherein said polishing member
comprises one of a polishing pad and an abrasive plate.

28. (New) The polishing apparatus according to claim 27, wherein said at least one first spiral groove comprises plural first spiral grooves, and said at least one second spiral groove comprises plural second spiral grooves.

a 29. (New) The polishing apparatus according to claim 26, wherein said at least one first spiral groove comprises plural first spiral grooves, and said at least one second spiral groove comprises plural second spiral grooves.

30. (New) The polishing apparatus according to claim 25, wherein said at least one first spiral groove comprises plural first spiral grooves, and said at least one second spiral groove comprises plural second spiral grooves.

31. (New) The polishing apparatus according to claim 25, wherein said polishing member comprises one of a polishing pad and an abrasive plate.

32. (New) The polishing apparatus according to claim 31, wherein said at least one first spiral groove comprises plural first spiral grooves, and said at least one second spiral groove comprises plural second spiral grooves.
